

CLASSROOM EXERCISE
CE-2.6
(Continued)

Block 4: Contract Number

Block 5: PR Number

Block 6: Project Number

Block 7 & 8: Enter the name and address of activity.

Block 9: Enter POC

Block 10: Using the documents in CE-2.1 and CE-2.2, as well as your answer sheet for CE-2.4, enter the following information:

Magnitude of the Project
Project Title
Project Number
Site Visit Date

Block 11: Enter performance information.

Block 12: Enter bond information.

Block 13: Enter the Bid Opening date and time.

2. On page CE-2.200, under paragraph 3.02 (00120-6, Instructions to Bidders), enter the Small Business Size Standard and (SIC) code. (Refer to Exhibit 2-10 in your Text/Reference.)
3. Following the “Representations and Certifications” and “Labor Provisions,” turn to the “Supplementary Conditions.” From Paragraph 2.01, enter weather conditions at the site.
4. In Paragraph 4.01 Notice of Requirement For Affirmative Action to Ensure Equal Opportunity, enter the percentage of minority and female goals according to the Hometown Plan which applies to the project.
5. In Paragraph 7, enter the Liquidated Damages which apply to the project.

CE-2.6

SOLICITATION, OFFER AND AWARD <i>(Construction, Alteration, or Repair)</i>		1. SOLICITATION NO.	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID <input type="checkbox"/> NEGOTIATED	3. DATE	PAGE OF PAGES
IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.					
4. CONTRACT NO.		5. REQUISITION/PURCHASE REQUEST NO.		6. PROJECT NO.	
7. ISSUED BY CODE		8. ADDRESS OFFER TO			
9. FOR INFORMATION CALL		A. NAME		B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS)	

SOLICITATION

NOTE: In sealed bid solicitations "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, Identifying no., date):

Estimated Cost : \$ _____
(Magnitude)

PROJECT TITLE: _____

PROJECT NUMBER: _____

This project is issued as Unrestricted

PRE-BID SITE VISITATION: _____
Date
Phone No.

11. The Contractor shall begin performance within ____ calendar days and complete it within ____ calendar days after receiving <input type="checkbox"/> award, <input type="checkbox"/> notice to proceed. This performance period is <input type="checkbox"/> mandatory, <input type="checkbox"/> negotiable. (See _____)	
12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? <small>(If "YES", indicate within how many calendar days after award in Item 12B.)</small> <input type="checkbox"/> YES <input type="checkbox"/> NO	12B. CALENDAR DAYS
13. ADDITIONAL SOLICITATION REQUIREMENTS: A. Sealed offers in original and ____ copies to perform the work required are due at the place specified in Item 8 by _____ (hour) local time _____ (date). If this is sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due. B. An offer guarantee <input type="checkbox"/> is, <input type="checkbox"/> is not required. "in amount of 20% of the bid price." C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated into the solicitation in full text or by reference. D. Offers providing less than ____ calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.	

STANDARD FORM 1442 FRONT FACSIMILE

(c) Automobile Liability. The Contractor shall provide a automobile liability insurance written on the comprehensive form of policy. The policy shall provide for bodily injury and property damage liability covering the operation of all automobiles used in connection with performing the contract. Policies covering automobiles operated in the United States shall provide coverage of at least \$200,000 per person and \$500,000 per occurrence for property damage. The amount of liability coverage on other policies shall be commensurate with any legal requirements of the locality and sufficient to meet normal and customary claims.

THE ABOVE MAY CHANGE
DEPENDING ON THE NATURE OF THE
PROJECT AND MUST BE CLEARED
THROUGH THE APPROPRIATE
LEGAL COUNCIL.

3. SMALL BUSINESS SET-ASIDES AND SMALL BUSINESS-LABOR
SURPLUS AREA SET ASIDES:

INCLUDE ONE OF THE FOLLOWING
CLAUSES, AS APPROPRIATE.

NOTICE OF TOTAL SMALL BUSINESS-LABOR SURPLUS AREA SET ASIDE
(JAN 1991)

(a) Definitions:

"Labor Surplus area," as used in this clause, means a geographical area identified by the Department of Labor as an area of labor surplus.

"Labor surplus area concern," as used in this clauses, means a concern that, together with its first-tier subcontractors, will perform substantially in labor surplus areas.

"Perform substantially in labor surplus areas," as used in this clause, means that the costs incurred under the contract on account of manufacturing, production, and performance of services in labor surplus areas exceed 50 percent of the contract price.

"Small business concern," as used in this clause, means a concern, including its affiliates, that is independently owned and operated, but not dominant in the field of operation in which it is bidding of Government contracts, and qualified as a small business under the criteria and size standards in 13 CFR 121.

NOT A VALID BOND - - FOR CLASSROOM INSTRUCTION ONLY

Bidder #2 Berdi Bros. Construction Co.

BID BOND (See Instructions on Reverse)	DATE BOND EXECUTED (Shall not be later than bid opening date.) Oct. 30, 1991	FORM APPROVED OMB NO. 9000-0045
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Public reporting burden for this collection of information is estimated to average 25 minutes per response, including the time for reviewing instructions, researching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any aspect of this collection of information, including suggestions for reducing this burden, to the FAR Secretary (VRS), Office of Federal Acquisition Policy, GSA, Washington, DC. 20405; and to the Office of Management and Budget, Paperwork Reduction Project (9000-0045), Washington, DC 20503.

PRINCIPAL (Legal name and business address) Berdi Bros. Construction Company 100 State Street Patterson, NJ 05100	TYPE OF ORGANIZATION ("X" answer) <input type="checkbox"/> INDIVIDUAL <input checked="" type="checkbox"/> PARTNERSHIP <input type="checkbox"/> JOINT VENTURE <input type="checkbox"/> CORPORATION STATE OF INCORPORATION Nevada
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SURETY(IES) (Name(s) and business address(s))

Great American Insurance Co.
580 Walnut Street
Cincinnati, OH 45202

PENAL SUM OF BOND				BID IDENTIFICATION		
PERCENT OF BID PRICE	AMOUNT NOT TO EXCEED				BID DATE	INVITATION NO.
	MILLION(S)	THOUSAND(S)	HUNDRED(S)	CENTS	Oct. 30, 91	47408-91-B-487
	20% of bid				FOR (Construction Supplies or Services)	Construction

OBLIGATION:

We, the Principal and Surety(ies), are firmly bound to the United State of America (hereinafter called the Government) in the above penal sum. For payment of the penal sum, we bind ourselves, our heirs, executors, administrators, and jointly and severally. However, where the Sureties are corporations acting as co-sureties, we, the Sureties, bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us. For all other purpose, each Surety binds itself, jointly and severally with the Principal, for the payment of the sum shown opposite the name of the Surety, if no limit of liability is indicated, the limit of liability is the full amount of the penal sum.

CONDITIONS:

The principal has submitted the contract identified above.

THEREFORE:

The above obligations are void if the Principal - (a) upon acceptance by the Government of the bid identified above, within the period specified therein for acceptance (sixty (60) days if no period is specified), executes the further contractual documents and gives the bond(s) required by the terms of the bid as accepted within the time specified (ten(10) days if no period is specified) after receipt of the forms by the principal; or (b) in the event of failure to execute such further contractual documents and give such bonds, pays the Government for any cost of procuring the work which exceeds the amount of the bid.

Each Surety executing this instrument agrees that its obligation is not impaired by any extension(s) of the time for acceptance of the bid that the Principal may grant to the Government. Notice to the surety(ies) of extension(s) are waived. However, waiver of the notice applies only to extensions aggregating not more than sixty (60) calendar days in addition to the period originally allowed for acceptance of the bid.

WITNESS:

The Principal an Surety(ies) executed this performance bond and affixed their seals on the above date.

PRINCIPAL			
SIGNATURE(S):	1. Pepe Berdi (Seal)	2. _____ (Seal)	3. _____ (Seal)
NAME(S) & TITLE(S) (Type)	1. Pepe Berdi President, Berdi Bros.	2. Construction Co.	3. _____ Corporate Seal
INDIVIDUAL SURETY(IES)			
SIGNATURE(S):	1. _____ (Seal)	2. _____ (Seal)	
NAME(S) & TITLE(S) (Type)	1. _____	2. _____	

CORPORATE SURETY(IES)				
SURETY A	NAME & ADDRESS	Great American Insurance Co. Cincinnati, OH	STATE OF INC. OH	LIABILITY LIMIT \$ 51,549,000
	SIGNATURE(S):	1. James Bolinger	2. _____	Corporate Seal
	NAME(S) & TITLE(S) (Type)	1. James Bolinger, Attorney-In-Fact	2. _____	

Facsimile

STANDARD FORM 24 (Rev 1-90)
Prescribed by GSA - FAR (48(CFR)93.220)

NOT A VALID BOND - - FOR CLASSROOM INSTRUCTION ONLY

Bidder #5 E & H Construction

BID BOND (See Instructions on Reverse)	DATE BOND EXECUTED Shall not be later than bid opening date.) Oct. 30, 1991	FORM APPROVED OMB NO. 9000-0045
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Public reporting burden for this collection of information is estimated to average 25 minutes per response, included the time for reviewing instructions, researching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any aspect of this collection of information, including suggestions for reducing this burden, to the FAR Secretary (VRS), Office of Federal Acquisition Policy, GSA, Washington, DC. 20405; and to the Office of Management and Budget, Paperwork Reduction Project (9000-0045), Washington, DC 20503.

PRINCIPAL (Legal name and business address) E & H Construction 100 74th Street Santa Barbara, CA	TYPE OF ORGANIZATION ("X" answer) <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> JOINT VENTURE <input checked="" type="checkbox"/> PARTNERSHIP <input type="checkbox"/> CORPORATION STATE OF INCORPORATION
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SURETY(IES) (Name(s) and business address(s))

Great Northern Insurance Company
15 Mountain View Road
Warren, NJ 07061

**NOTE: FOR PURPOSES
OF THIS EXERCISE
ASSUME M. EBARB HAS
AUTHORITY TO SIGN
FOR PARTNERSHIP.**

PENAL SUM OF BOND					BID IDENTIFICATION	
PERCENT OF BID PRICE 20	AMOUNT NOT TO EXCEED				BID DATE Oct. 31, 91	INVITATION NO. 47408-91-B487
	MILLION(S)	THOUSAND(S)	HUNDRED(S)	CENTS	FOR (Construction Supplies or Services)	Construction

OBLIGATION:

We, the Principal and Surety(ies), are firmly bound to the United State of America (hereinafter called the Government) in the above penal sum. For payment of the penal sum, we bind ourselves, our heirs, executors, administrators, and jointly and severally, However, where the Sureties are corporations acting as co-sureties, we, the Sureties, bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us. For all other purpose, each Surety binds itself, jointly and severally with the Principal, for the payment of the sum shown opposite the name of the Surety, If no limit of liability is indicated, the limit of liability is the full amount of the penal sum.

CONDITIONS:

The principal has submitted the contract identified above.

THEREFORE:

The above obligations are void if the Principal - (a) upon acceptance by the Government of the bid identified above, within the period specified therein for acceptance (sixty (60) days if no period is specified), executes the further contractual documents and gives the bond(s) required by the terms of the bid as accepted within the time specified (ten(10) days if no period is specified) after receipt of the forms by the principal; or (b) in the event of failure to execute such further contractual documents and give such bonds, pays the Government for any cost of procuring the work which exceeds the amount of the bid.

Each Surety executing this instrument agrees that its obligation is not impaired by any extension(s) of the time for acceptance of the bid that the Principal may grant to the Government. Notice to the surety(ies) of extension(s) are waived. However, waiver of the notice applies only to extensions aggregating not more than sixty (60) calendar days in addition to the period originally allowed for acceptance of the bid.

WITNESS:

The Principal and Surety(ies) executed this performance bond and affixed their seals on the above date.

PRINCIPAL			
SIGNATURE(S):	1. Michelle Ebarb (Seal)	2. (Seal)	3. (Seal)
NAME(S) & TITLE(S) (Type)	1. Michelle Ebarb President, B & B Construction Company	2.	3. Corporate Seal

INDIVIDUAL SURETY(IES)			
SIGNATURE(S):	1. (Seal)	2. (Seal)	3. (Seal)
NAME(S) & TITLE(S) (Type)	1.	2.	3.

CORPORATE SURETY(IES)				
SURETY A	NAME & ADDRESS	Great Northern Insurance Co. Warren, NJ 07061	STATE OF INC. MI	LIABILITY LIMIT \$ 5,600,000
	SIGNATURE(S):	1. Larry Herbert	2.	Corporate Seal
	NAME(S) & TITLE(S) (Type)	1. Larry D. Herbert, Attorney-In-Fact	2.	

Facsimile

STANDARD FORM 24 (Rev 1-90)
Prescribed by GSA - FAR (48(CFR)93.220)

U.S. DEPARTMENT OF LABOR WAGE AND HOUR DIVISION		PAYROLL (For Contractor's Optional Use; See Instructions, Form WH-347 Inst.)		Form Approved Budget Bureau No. 44-R1093																
NAME OF CONTRACTOR <input type="checkbox"/> OR SUBCONTRACTOR <input checked="" type="checkbox"/>		ADDRESS P.O. Box 1776, Oxnard Ca. 93043																		
Gypsy Drywallers, Inc. PAYROLL NO. #1		PROJECT AND LOCATION Repair/Alt Building 560		PROJECT OR CONTRACT NO. 47408-91-C-487																
		FOR WEEK ENDING March 16, 1992																		
(1) NAME, ADDRESS, AND SOCIAL SECURITY NUMBER OF EMPLOYEE	(2) NO. OF WITHHOLDING EXEMPTIONS	(3) WORK CLASSIFICATION	OT OR ST	(4) DAY AND DATE							(5) TOTAL HOURS	(6) RATE OF PAY	(7) GROSS AMOUNT EARNED	(8) DEDUCTIONS				(9) NET WAGES PAID FOR WEEK		
				HOURS WORKED EACH DAY										FICA	WITH- HOLDING TAX	ST. WH. A L	OTHER		TOTAL DEDUCTIONS	
				S	M	T	W	T	F	S										
				10	11	12	13	14	15	16										
Ulysses McDermott	2	OWNER	O																	
			S																	
Tom Cartwright	2	DRYWALL HELPER	O																	
			S	8	8	8	8	8	8		40	27.20	1080	60.48	97.60	24	8	288	480.08	599.92
Lou Daniels	2	APPRENTICE	O																	
			S	8	8	8	8	8	8		40	14.60	560	30.44	48.80	12	4	160	255.24	304.76
Ted Kim	2	LABORER	O																	
			S	8	8	8	8	8	8		40	20.00	800	45.36	73.20	18	6	200	343.56	457.44
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LABOR STANDARDS INTERVIEW			FORM APPROVED OMB NO. 9000-0089
CONTRACT NUMBER 47408-91-C-487	EMPLOYEE'S NAME (Last, First, M.I.) Ted Kim		
NAME OF PRIME CONTRACTOR ACE Construction Co.	EMPLOYEE'S ADDRESS (Street, City, State, ZIP Code) Seaside Motel		
NAME OF EMPLOYER Gypsy Drywallers	WORK CLASSIFICATION Worker	WAGE RATE \$10.00/Hr.	
SUPERVISOR'S NAME (Last, First, M.I.) Mr. McDermott			
		(Check Below)	
		YES NO	
DO YOU WORK OVER 8 HOURS PER DAY?		X	
DO YOU WORK OVER 40 HOURS PER WEEK?		X	
ARE YOU PAID AT LEAST TIME AND HALF FOR OVERTIME HOURS?		X	
ARE YOU RECEIVING ANY CASH PAYMENTS FOR FRINGE REQUIRED BY THE POSTED WAGE DETERMINATION DECISION?			
WHAT DEDUCTIONS OTHER THAN TAXES AND SOCIAL SECURITY ARE MADE FROM YOUR PAY? Don't Know			
HOW MANY HOURS DID YOU WORK ON YOUR LAST WORK DAY BEFORE THIS INTERVIEW?			
HOURS 7	WHAT DATE (YYMMDD) WAS THAT? 3/11/92 (Yesterday)		
WHAT TOOLS DO YOU USE? Hammers, Knives, Saws, etc.			
WHEN DID YOU BEGIN ON THIS PROJECT (YYMMDD)? 3/11/92			
I HAVE READ THE ABOVE AND CERTIFY IT TO BE CORRECT TO THE BEST OF MY KNOWLEDGE.			
EMPLOYEE'S SIGNATURE Ted Kim		DATE (YYMMDD) March 14, 1992	
INTERVIEWER'S SIGNATURE George Barnicky		DATE (YYMMDD) March 14, 1992	
INTERVIEWER'S COMMENTS			
WORK EMPLOYEE WAS DOING WHEN INTERVIEWED Installing Drywall			
IS EMPLOYEE PROPERLY CLASSIFIED AND PAID? (If additional space is needed, use comments section) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
ARE WAGE RATES AND POSTERS DISPLAYED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO GB 3/14			
FOR USE BY PAYROLL CHECKER			
IS ABOVE INFORMATION IN AGREEMENT WITH PAYROLL DATA? <input type="checkbox"/> YES <input type="checkbox"/> NO			
COMMENTS Mr. Kim had great difficulty speaking and understanding English. It is difficult to determine if he understood the questions. He was observed by me performing drywall installation work.			
DATE OF CHECK (YYMMDD)	NAME OF CHECKER (Last, First, M.I.)	SIGNATURE Geo. Barnicky	

CE-7.1
(cont.)

subtronic corp.

Electric Sub-Surface Surveys & Instruments
For Locating Buried Pipes, Cables and Drains

July 13, 1989

N. V. Heathorn
2846 Chapman Street
Cedar Falls, Iowa

Ref: Pointer Creek, Iowa

Item 1. Re-Location between Station 90 and Station 113, 4 hours, 7/9/89.

On our return to site the morning of 7/9/89, in order to continue the electronic location of the 8" water pipe line, it was discovered that the stakes inserted the previous day had disappeared. Upon walking the route of the pipe, stakes were discovered lying randomly on either side of the pipe location. Although horses were grazing in these fields, we consider it very unlikely they would kick out every stake in their path. We assume the owner of the property removed the stakes. We re-located and re-staked the entire length.

Our surveyor saw the owner, but at a distance. The owner was recalling her dog from the base of a telephone pole half-way up which sat our surveyor, who had made a hasty retreat upon the approach of the barking hound. (A remarkable feat, considering there were no steps on the pole.)

This feat was repeated next day when an assistant -- who had volunteered to accompany and defend the surveyor against the enthusiastic protector -- was overcome by the ferocity and speed of a sudden attack. The assistant turned tail, passing the surveyor on his way to a nearby electric pole and shot 15' up the pole with the surveyor on his heels, and the dog not far behind.

How they managed to cling to the pole for almost 20 minutes is still unknown. No one came to call the dog off and it eventually retired, bored but very pleased with its effect and the athletic prowess shown by these two-legged intruders.

Item 2. Walnut Creek Crossing 7/10/89 - 4 hours

The Walnut Creek crossing is at approximately 45 degrees to the perimeter fence of the Solano Way Tank Farms.

CE-7.1
(cont.)

subtronic subtronic subtronic

N. V. Heathorn
July 13, 1989

Page 2

On July 10th, both sides of the creek were located, but despite repeated efforts with thigh boots and perspiration, the islets along the route of the crossing could not be reached. This left some 700' with a suspected bend at some point with no marks for location of permanent marks.

On July 12th, during a final check on completion, the water level had dropped, so much of the routes were accessible across mud banks, allowing location and marking of the pipe route where the pipe crossed the pieces of land at approximately 25' intervals, which left just one interval of 200' where it lies under water.

Report prepared and submitted by:

J. C. Taylor, General Manager

JCT/mln

CE-7.4

THE DITCH PROJECT

"DITCH CASSIDY & SONS"

Time: 60 Minutes

Method: Group

Purpose: Students will be provided an opportunity to practice evaluation of a delay situation analyzing time and causation.

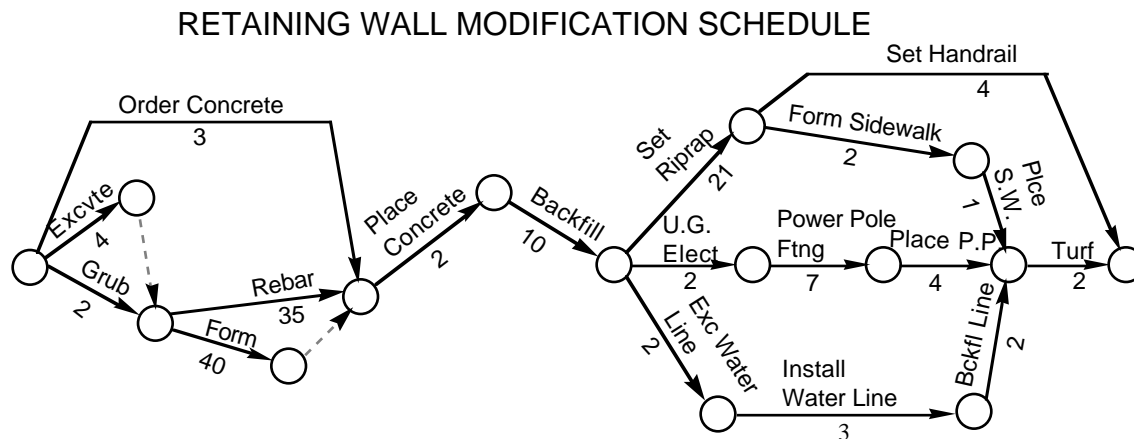
Instruction: Break into groups and appoint a spokesperson. You are to read the case study and perform a bar chart analysis by completing the answer sheet provided.

At the conclusion the group spokesperson will be called upon to present the group's findings.

CE-8.7

THE SCHEDULE

Your estimator has put together the following schedule for the additional work based on observations of current field operations. This schedule closely resembles the contractor's overall project schedule for activity precedence and prorated durations. You must now review it for completeness and check to see if it matches your Government cost estimate. Using the CPM Chart below, calculate the number of days to complete, by following the critical path. Use the step by step illustrations in Appendix A of your Text/Reference, as a guide in making your calculations.



CE-8.7 AUDIT INFORMATION

GSA AUDIT REPORT NO. 12-42896/35 CONTRACT 47408-91-C-4221			
<u>DIRECT COSTS</u>			
LABOR			
CLASSIFICATION	AUDITED RATE \$/HOUR	PROPOSED RATE \$/HOUR	DIFFERENCE \$/HOUR
OPERATORS	20.00	25.00	5.00
CRANE OPERATOR	20.00	25.00	5.00
MASON	18.00	18.00	0.00
STEELWORKER	16.00	18.00	2.00
CARPENTER	16.00	16.00	0.00
ELECTRICIAN	18.00	18.00	0.00
LABOR	10.00	10.00	0.00
FLAGMAN	8.00	8.00	0.00
SURVEY CREW	\$500/DAY	\$500/DAY	0.00
SOIL TEST CREW	\$300/DAY	\$300/DAY	0.00
EQUIPMENT (ALL OWNED)			
TYPE	AUDITED RATE \$/DAY	PROPOSED RATE \$/DAY	DIFFERENCE \$/DAY
GRADER	65.00	65.00	0.00
FRONTEND LOADER	45.00	55.00	10.00
DUMP TRUCK	20.00	35.00	15.00
FORKLIFT	18.00	25.00	7.00
FLATBED TRUCK	18.00	19.00	1.00
SMALL CRANE	45.00	45.00	0.00
BACKHOE	25.00	25.00	0.00
ROLLER COMPACTOR	50.00	50.00	0.00
PUMPTRUCK	30.00	35.00	5.00
TRENCHER	35.00	40.00	5.00
HAND COMPACTOR	10.00	15.00	5.00
VIBRATORS	10.00	15.00	5.00
SMALL TOOLS	3.00	15.00	12.00
MATERIAL			
CLASSIFICATION	AUDITED RATE	PROPOSED RATE	DIFFERENCE
REBAR	\$400.00/TON	\$400.00/TON	\$0.00/TON
WALL FORMING	\$1.00/SF	\$1.50/SF	\$0.50/SF
CONCRETE	\$80.00/CY	\$80.00/CY	\$0.00/CY
BACKFILL	\$5.00/CY	\$6.00/CY	\$1.00/CY
RIPRAP	\$45.00/TON DEL	\$45.00/TON DEL	\$0.00/TON DEL
HANDRAIL	\$10.00/LF	\$12.50/LF	\$2.50/LF
SDWK FORMING	\$3.00/LF	\$3.00/LF	\$0.00/LF
EXPANSION MATL	\$0.50/LF	\$0.75/LF	\$0.25/LF
POWER POLES	\$3000.00 EA	\$3000.00 EA	\$0.00 EA
WATERLINE	\$10.00/LF	\$20.00/LF	\$10.00/LF
TURF	\$5.00/SY	\$5.00/SY	\$0.00/SY